| Issue | Classification |  |
|-------|----------------|--|
|       |                |  |

| Application No. | Applicant(s) |  |
|-----------------|--------------|--|
| 09/230,195      | RYBAK ET AL. |  |
| Examiner        | Art Unit     |  |
|                 |              |  |
| Shin-Lin Chen   | 1632         |  |

| ORIGINAL                            |     |   |       |       |                               | CROSS REFERENCE(S)                      |                                        |                                                                                                                |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |  |  |  |
|-------------------------------------|-----|---|-------|-------|-------------------------------|-----------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|--|--|--|
| CLASS SUBCLASS                      |     |   |       |       | CLASS                         |                                         |                                        | SUBCLASS (C                                                                                                    | S PER BLO                | CK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Table?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |  |  |  |  |
| 435 320.1                           |     |   | 320.1 | 435   | 455                           |                                         |                                        |                                                                                                                |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Acres bean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |          |  |  |  |  |
| INTERNATIONAL CLASSIFICATION        |     |   | 424   | 93.2  | 93.21                         | 1                                       |                                        | en de la compania de |                          | The state of the s |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |  |  |  |
| С                                   | 1.  | 2 | N     | 15/00 | 536                           | 23.5                                    | 24.1                                   |                                                                                                                |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |  |  |  |
| С                                   | 1   | 2 | N     | 15/63 | 0 1 1 1 32<br>1 1 30 20 1 1 3 | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |                                        | - 2000 - 2000                                                                                                  |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |  |  |  |
| A                                   | 0   | 1 | N     | 63/00 |                               |                                         |                                        |                                                                                                                |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 (80.0) |  |  |  |  |
| C                                   | 0   | 7 | н     | 21/04 |                               |                                         | Francis de liches<br>The restricted de |                                                                                                                |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | The state of the s | 0 1100   |  |  |  |  |
| <br>:0::                            | 300 |   |       | /     | 90.15                         |                                         |                                        |                                                                                                                |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 2 2 2 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |  |  |  |  |
| (Assistant Examiner) (Date)         |     |   |       |       | 3)                            |                                         | che                                    |                                                                                                                | Total Claims Allowed: 36 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |  |  |  |
| (Legal Instruments Examiner) (Date) |     |   |       |       | // <i>3/04</i><br>Date)       |                                         | hin-Lin Cl<br>mary Examiner            |                                                                                                                | (<br>Print               | O.G.<br>Print Fig.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          |  |  |  |  |

|       | Claims   | renur | umbered in the same order as presented by applicant |          |     |       |          |      |       | ☐ CPA    |           |       | ☐ T.D.   |        |       | ☐ R.1.47 |     |          |          |
|-------|----------|-------|-----------------------------------------------------|----------|-----|-------|----------|------|-------|----------|-----------|-------|----------|--------|-------|----------|-----|----------|----------|
| Final | Original |       | Final                                               | Original |     | Final | Original |      | Final | Original |           | Final | Original |        | Final | Original |     | Final    | Original |
| 1     | 1        | 100   | 29                                                  | 31       |     |       | 61       |      |       | 91       | 1 5-      |       | 121      |        |       | 151      |     |          | 181      |
| 2     | 2        | 6.5   | 30                                                  | 32       |     |       | 62       | 1.   |       | 92       |           |       | 122      |        |       | 152      | 1   |          | 182      |
|       | 3        |       | 31                                                  | 33       |     |       | 63       | (90) |       | 93       | yel       |       | 123      | 100    |       | 153      | 1   |          | 183      |
| 3     | 4        |       | 32                                                  | 34       |     |       | 64       |      |       | 94       |           |       | 124      |        |       | 154      |     |          | 184      |
| 4     | 5        | 17.43 | 33                                                  | 35       |     |       | 65       |      |       | 95       | 75.24     |       | 125      | 4 -1   |       | 155      | 1 1 |          | 185      |
| 5     | 6        |       |                                                     | 36       | 100 |       | 66       | 4.1  |       | 96       | 11 77     |       | 126      | 7.1    |       | 156      |     |          | 186      |
| 6     | 7        |       | 34                                                  | 37       |     |       | 67       |      |       | 97       |           |       | 127      | h1 -   |       | 157      |     |          | 187      |
| 7     | 8        |       |                                                     | 38       |     |       | 68       |      | -     | 98       |           |       | 128      | 100    |       | 158      |     | <u> </u> | 188      |
| 8     | 9        |       |                                                     | 39       |     | -     | 69       |      |       | 99       | je.       |       | 129      |        |       | 159      |     |          | 189      |
| 10    | 10       | 3.    |                                                     | 40       |     |       | 70       |      |       | 100      |           |       | 130      | 5      |       | 160      |     |          | 190      |
| 9     | 11       |       | 35                                                  | 41       |     |       | 71       |      |       | 101      | , A       |       | 131      | - V    |       | 161      |     |          | 191      |
| _11   | 12       | 5-3-1 | 36                                                  | 42       |     |       | 72       |      |       | 102      |           |       | 132      |        |       | 162      |     |          | 192      |
| 12    | 13       | * *   |                                                     | 43       |     |       | 73       | *    |       | 103      |           |       | 133      |        |       | 163      |     |          | 193      |
| 13    | 14       |       |                                                     | 44       |     |       | 74       |      |       | 104      |           |       | 134      | -      |       | 164      |     |          | 194      |
| 15    | 15       | 1 10  |                                                     | 45       | 1   |       | 75       |      |       | 105      |           | -     | 135      |        |       | 165      |     |          | 195      |
| _16   | 16       |       |                                                     | 46       |     |       | 76       |      |       | 106      | 2         |       | 136      |        |       | 166      |     |          | 196      |
| 14    | 17       | - 1   |                                                     | 47       |     | -     | 77       |      |       | 107      |           |       | 137      | *      |       | 167      |     |          | 197      |
|       | 18       |       |                                                     | 48       |     |       | 78       |      |       | 108      | -         |       | 138      |        |       | 168      | ī   |          | 198      |
| _17   | 19       |       |                                                     | 49       |     |       | 79       |      |       | 109      |           |       | 139      |        |       | 169      |     |          | 199      |
| 18    | 20       |       |                                                     | 50       |     |       | 80       |      |       | 110      |           |       | 140      | -      |       | 170      |     |          | 200      |
| 19    | 21       |       |                                                     | 51       |     |       | 81       |      |       | 111      |           |       | 141      |        |       | 171      | - 3 |          | 201      |
| 20    | 22       | -     |                                                     | 52       |     |       | 82       | -    |       | 112      |           | -     | 142      | - 8    |       | 172      | ģ   |          | 202      |
| 21    | 23       |       |                                                     | 53       |     |       | 83       | ſ    |       | 113      | -         |       | 143      |        |       | 173      |     |          | 203      |
| 22    | 24       |       |                                                     | 54       | 7.8 |       | 84       |      |       | 114      | Ţ         |       | 144      |        |       | 174      | 1   |          | 204      |
| 23    | 25       | [     |                                                     | 55       | - 0 |       | 85       |      |       | 115      |           |       | 145      | 0      |       | 175      | 1 ' |          | 205      |
| 24    | 26       |       |                                                     | 56       | - 7 |       | 86       |      |       | 116      | 1.3       |       | 146      |        |       | 176      | E   |          | 206      |
| 25    | 27_      | 9     |                                                     | 57       |     |       | 87       |      |       | 117      |           |       | 147      | '''    |       | 177      |     |          | 207      |
| 26    | 28       |       |                                                     | 58       |     |       | 88       |      |       | 118      |           |       | 148      |        |       | 178      | 5.5 |          | 208      |
| 27    | 29       |       |                                                     | 59       |     |       | 89       |      |       | 119      |           |       | 149      | 3 0 -  |       | 179      |     |          | 209      |
| 28    | 30       |       |                                                     | 60       | . 1 |       | 90       |      |       | 120      | 5 1 4 6/2 | -     | 150      | A TAIL |       | 180      |     |          | 210      |